

<p> Abstract Background: The purpose of this study was to determine the prevalence of <i>Salmonella</i> spp. in the feces of dairy cattle in the state of Rio de Janeiro, Brazil. Methods: A total of 1,000 fecal samples were collected from dairy cattle in the state of Rio de Janeiro, Brazil. The samples were analyzed by culture on <i>Salmonella</i> selective media, followed by serotyping and phage typing. Results: The prevalence of <i>Salmonella</i> spp. in the feces of dairy cattle was 1.2%. The most common serotype was <i>Salmonella</i> Enteritidis (50%). Conclusion: The prevalence of <i>Salmonella</i> spp. in the feces of dairy cattle is low. The most common serotype is <i>Salmonella</i> Enteritidis. Keywords: <i>Salmonella</i> spp., dairy cattle, feces, prevalence, serotyping, phage typing. </p>	<p> Introduction <i>Salmonella</i> is a genus of bacteria that causes salmonellosis, a common foodborne illness. The bacteria are found in the feces of many animals, including dairy cattle. The purpose of this study was to determine the prevalence of <i>Salmonella</i> spp. in the feces of dairy cattle in the state of Rio de Janeiro, Brazil. Methods A total of 1,000 fecal samples were collected from dairy cattle in the state of Rio de Janeiro, Brazil. The samples were analyzed by culture on <i>Salmonella</i> selective media, followed by serotyping and phage typing. Results The prevalence of <i>Salmonella</i> spp. in the feces of dairy cattle was 1.2%. The most common serotype was <i>Salmonella</i> Enteritidis (50%). Conclusion The prevalence of <i>Salmonella</i> spp. in the feces of dairy cattle is low. The most common serotype is <i>Salmonella</i> Enteritidis. Keywords <i>Salmonella</i> spp., dairy cattle, feces, prevalence, serotyping, phage typing. </p>
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